GCCS/DII COE System Integration Support

DII COE Oracle Database (DIIDB) COTS Segment Revised Installation Procedures

May 14, 1997

Prepared for:

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Defense Information Infrastructure (DII)

Common Operating Environment (COE)

Revised Installation Procedures
Oracle Database (DIIDB) COTS Segment
Version 1.0.0.1/7.3.2.3 (Hewlett Packard/HP-UX 10.20)

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Preface

The following conventions are used in this document:

Bold	Used for information that is typed, pressed, or selected in executables and instruction. For example, **select connect to host**.
Italics	Used for file names, directories, scripts, commands, user Ids, document names, and Bibliography references; and any unusual computerese the first time it is used in text.
Underline	Used for emphasis.
Arrows <>	Used to identify keys on the keyboard. For example <Return>.
”Quotation Marks”	Used to identify informal, computer-generated queries and reports, or coined names; and to clarify a term when it appears for the first time.
Courier Font	Used to denote anything as it appears on the screen or command lines. For example User:/ora01/dba/oradb:/bin/csh.
Capitalization	Used to identify keys, screen icons, screen buttons, field, and menu names.

Installation Procedures

This document provides a quick reference for installing the ORACLE Database (DIIDB) onto a Hewlett Packard Defense Information Infrastructure (DII) Server.

INSTALL PROCEDURE: DII ORACLE DATABASE CONTENTS

This document contains the installation instructions for the DII ORACLE Database (DIIDB). This segment builds the system Oracle database tables. This segment is intended to be a template; it creates what Oracle terms a "medium" sized installation. This segment requires ORAS version 1.1.0.1

KNOW THIS BEFORE INSTALLATION

The DIIDB Oracle Database requires three mount points: /ora01, /ora02, and /ora03, as described in the Oracle RDBMS (ORAS) installation procedures. The space that this segment requires under each partition is:

DIIDB: /ora01 = 75M
/ora02 = 1M
/ora03 = 1M

The following describes the space required to install the Oracle RDBMS (ORAS) and DIIDB on a machine. In addition, if it is desired to load the Oracle Client Applications (ORAC), this information is broken out.

	/ora01	/ora02	/ora03
ORAS	300M		
DIIDB	75M	1M	1M
Total	375M	1M	1M
ORAC	75M		
Grand Total	450M	1M	1M

These values allow room for log and trace files that are generated and some room for growth. The totals do not apply to other databases that might be delivered. Further, if additional ORACLE products are delivered, this total could grow.

The purpose of this segment is to create the system tables, thus configuring the Oracle RDBMS. It is not

necessary to install this segment; by following the procedures described in the Oracle documentation, one can install the system tables and configures the database server by hand.

If this segment is being used, the installer will be asked to specify Oracle passwords for <oradba>, <sys> and <system> and an UNIX login password for <oradba> .

NOTE: Instructions for creating and dropping Oracle Database user accounts are described in Oracle Database Server segment's release notes (/h/COTS/ORAS/SegDescrip/ReleaseNotes).

QUESTIONS FOR THE INSTALLER

After 10 - 20 minutes, the installer is asked if they wish to change the default Oracle ORADBA, SYS and SYSTEM Passwords. The installer should respond 'y'. The installer is then prompted to:

Enter the password for ORADBA.

Enter an alphanumeric password for ORADBA to access the database. Must be six to twelve characters in length. Only letters, numbers and '_' are allowed; first character alpha.

Enter the password for SYS.

Enter an alphanumeric password for SYS to access the database. Must be six to twelve characters in length. Only letters, numbers and '_' are allowed; first character alpha.

Enter the password for SYSTEM.

Enter an alphanumeric password for ORADBA to access the database. Must be six to twelve characters in length. Only letters, numbers and '_' are allowed; first character alpha.

Finally, the installer is prompted for the Unix login password for ORADBA. It will appear to the installer in an xterm as follows:

You are setting the UNIX login password for user oradba.

New password:

Re-enter new password:

CONFIGURATION AFTER INSTALLATION

The system administrator must perform the following steps exactly and in order to complete the DIIDB installation. Completing these steps allow people to log in as <oradba> and have access to the Oracle database. These steps are only necessary until the DBA Account Group becomes available. A brief explanation—the DIIDB segment creates a user whose username is <oradba> and whose uid is 201. However, one cannot log in to the console as this user, because the Security Manager was not used to create

the account. So, the following instructions direct the installer to remove the <oradba> account, create a new user named <oradba> and then, because the Security Manager will not create an account with a uid of 201, the installer must edit some HP-UX and DII COE files to modify <oradba>'s uid.

1. Using the security manager, create a new profile. Its account group must be SysAdm. You can call the new profile anything; this document will refer to it as new-profile. Add application Oracle Admin to this profile.

2. Log in as <secman> and run the Security Manager. Delete oradba account. Answer "no" to deleting files.

3. While still in the Security Manager, Create an account for <oradba >. Specify "new-profile" as the <oradba> user profile. Note down the uid assigned to <oradba> (it will be approximately 1500); this is "the old oradba uid ".

4. As root, in an xterm execute:

   vi /etc/passwd

   Edit and change <oradba> uid to 201, and gid to 102.

   Save and close the file.

   Enter "e" to open the shadow file. Save without any changes and close the file.

   As <root>, execute:

   chown -R 201 /h/USERS/local/oradba

   For the next two commands (chowns) an error "No such file or directory" may appear. That is OK.

   As <root>, execute:

   chown -R 201 /var/dt/appconfig/appmanager/oradba*

   chown -R 201 /var/dt/tmp/oradba*

   Edit the file /h/USERS/local/Profiles/**.**User**.**dat, find the line which contains "the old <oradba> uid" and change the old oradba uid to 201. Re-order the lines in the file to maintain ascending order.

Edit the file /h/USERS/local/Profiles/**.**UserProfile**.**dat, find the line which contains “the old <oradba> uid” and change the old oradba uid to 201. Re-order the lines in the file to maintain ascending order.

Perform the following:

cd /tcb/files/auth/o

vi oradba

edit oradba by changing “the old <oradba> uid” to “201"

save the changes and close the file.

cp /ora01/dba/oradba/Scripts/**.**cshrc /h/USERS/local/oradba/Scripts/**.**cshrc.oradba

cd /h/USERS/local/oradba/Scripts

chown oradba .cshrc.oradba

Edit /h/USERS/local/oradba/Scripts/**.**cshrc and add the following line to the bottom of the file:

source ~/**.**cshrc**.**oradba